

Historical Floods: Raritan River below Calco Dam at Bound Brook, New Jersey

Latitude: 40.475

Flood Stage: 28 ft

Period of Record: 1882-Present

Last Flood: 5/1/2014

Longitude: -74.548

Number of Floods: 69

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
9/24/1882	-9999.00	-9,999	Missing	C1
5/30/1968	29.32	27,800	Minor	none
4/3/1970	31.02	29,600	Moderate	none
8/28/1971	37.47	46,100	Major	none
9/13/1971	28.22	21,400	Minor	none
6/23/1972	30.11	26,900	Moderate	none
11/9/1972	30.13	27,200	Moderate	none
2/3/1973	30.47	28,000	Moderate	none
6/30/1973	29.00	23,900	Minor	none
8/2/1973	30.37	27,800	Moderate	none
12/21/1973	31.73	31,000	Moderate	none
3/20/1975	28.19	21,200	Minor	none
7/14/1975	30.27	27,100	Moderate	none
7/21/1975	29.24	24,300	Minor	none
9/25/1975	29.09	23,900	Minor	none
3/23/1977	29.95	26,300	Minor	none
1/26/1978	31.33	30,000	Moderate	none
1/22/1979	30.91	29,000	Moderate	none
1/25/1979	33.18	34,600	Major	none
2/26/1979	31.18	29,600	Moderate	none
3/22/1980	29.80	25,300	Minor	none

5/12/1981	28.27	18,200	Minor	none
1/5/1982	30.03	22,900	Moderate	none
4/11/1983	28.18	18,000	Minor	none
4/16/1983	31.84	28,100	Moderate	none
12/14/1983	29.62	21,800	Minor	none
4/5/1984	30.94	25,500	Moderate	none
5/30/1984	30.50	24,200	Moderate	none
7/7/1984	32.00	28,600	Moderate	none
4/17/1986	28.95	20,100	Minor	none
12/25/1986	29.36	15,000	Minor	none
4/5/1987	29.36	21,100	Minor	none
9/21/1989	30.22	23,500	Moderate	none
10/21/1989	28.13	17,900	Minor	none
12/12/1992	28.91	20,000	Minor	none
1/29/1994	30.00	22,900	Moderate	none
3/11/1994	29.47	21,400	Minor	none
1/20/1996	33.34	32,700	Major	none
1/28/1996	28.39	18,900	Minor	none
10/20/1996	35.58	40,100	Major	none
12/2/1996	28.90	20,000	Minor	none
12/14/1996	28.43	19,000	Minor	none

Drainage Area: 785 sq mi

Gage Datum: 0 ft MSL

Raritan Basin

County of Gage: Somerset

County of Forecast Point: Somerset

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3/22/1999	28.36	18,800	Minor	none
9/17/1999	42.13	82,900	Major	none
12/12/2003	30.02	23,100	Moderate	none
9/29/2004	28.79	19,900	Minor	none
4/3/2005	30.54	24,700	Moderate	none
10/9/2005	29.20	20,900	Minor	none
10/12/2005	30.64	25,100	Moderate	none
6/29/2006	28.24	18,500	Minor	none
11/9/2006	29.42	21,500	Minor	none
3/2/2007	28.16	18,300	Minor	none
4/16/2007	38.30	56,900	Major	none
4/27/2007	28.07	18,100	Minor	none
2/14/2008	29.69	22,100	Minor	none
3/9/2008	30.06	23,200	Moderate	none
12/12/2008	30.35	24,100	Moderate	none
12/27/2009	28.54	19,200	Minor	none
3/14/2010	36.04	45,900	Major	none
3/31/2010	29.11	20,700	Minor	none
3/7/2011	28.40	18,900	Minor	none
3/11/2011	28.49	19,100	Minor	none
4/17/2011	31.10	26,600	Moderate	none

8/28/2011	41.90	80,400	Major	none
9/7/2011	29.04	20,500	Minor	none
9/8/2011	33.14	33,900	Major	none
12/8/2011	28.59	19,100	Minor	none
6/8/2013	29.14	20,600	Minor	none
5/1/2014	34.65	38,800	Major	none

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Date of Flood

Crest (ft)

Streamflow (cfs)

Category

Code

-9999 signifies missing data

MARFC Codes

Code Description

- C1 Crest information looks unreliable and incomplete and not used in frequency calculations. Some of the floods are based on current flood stage and nearby gage information.
- C2 Crest information looks reliable despite potential problems. This data was used in frequency calculations.
- C3 Crest height estimated by the USGS.
- C4 Crest height is from the National Weather Service.
- C5 Crest height affected by backwater.
- C6 Crest occurred at a previous flood stage that is lower than the current flood stage. The crests below the new flood stage are not used in flood frequency calculations.
- C7 Crest from USGS yearly peak and/or date is different than the crest we provide. In many cases MARFC uses crest based on backwater or ice effects. Crest month or day of occurrence has been estimated by The Middle Atlantic River Forecast Center usually based on nearby gage information.
- C8 Crest date (day) in the month is unknown.
- C9 Flow is an estimate.
- F1 Flow affected by regulation or diversion and in some cases to an unknown degree.
- F2 Flow effected by snow-melt, ice jam or debris jam break up.
- F3 Flow affected by dam failure.
- F4 Flow - All or part of the record affected by urbanization, mining, agricultural changes, channelization or other factors.
- F5 Gage height at a different site and/or datum.
- G1 Gage is not an official USGS gage with crests provided by the NWS. Crest information looks unreliable and incomplete and not used in flood frequency calculations.
- G2 Gage datum changed during this year.

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